

HELICOPTER MECHANIC

Class Definition

Under supervision, performs skilled, technical work repairing, maintaining and overhauling City-owned helicopters and related equipment.

Distinguishing Characteristics

Helicopter Mechanic is a single position class assigned to the Aviation Unit in the Police Department. The incumbent performs skilled, technical work in the scheduled and unscheduled maintenance, repair and overhaul of City-owned helicopters and related equipment in accordance with Federal Aviation Administration rules and regulations, aircraft manufacturer's guidelines, and Police Department policies and procedures. The incumbent will be required to work variable hours as necessary to include nights, weekends, and holidays.

Typical Tasks

(This list is neither inclusive nor exclusive. Consequently, this information may not reflect Essential Functions for this class.)

Performs skilled, technical work maintaining, repairing and overhauling helicopters and relating equipment.

Performs aircraft, engine, and systems inspection, service and repair in accordance with the manufacturer's manuals, notices, and bulletins and Airworthiness Directives as issued by the Federal Aviation Administration.

Diagnoses and repairs maintenance discrepancies on airframes, engines, transmissions, rotor systems, gear boxes, control assemblies, accessories, instrumentation, electrical, and related systems and equipment.

Participates in helicopter check flights to aid in aircraft troubleshooting and diagnostics.

Performs emergency maintenance or repairs on a call-out basis.

Performs related duties as required.

Knowledge, Abilities and Skills

Knowledge of the methods, principles, tools, materials, publications and equipment used in the maintenance and repair of helicopters.

Knowledge of the principles and characteristics of helicopter engines and systems operations.

Knowledge of aircraft maintenance and record keeping and reporting procedures.

Ability to inspect and locate difficulties and perform required major and minor mechanical, hydraulic, or electronic repair work.

Ability to understand and follow oral and written instructions.

Ability to establish and maintain effective working relationships.

Minimum Qualifications

Two years of airframe and power plant experience in helicopter maintenance, repair, troubleshooting, and inspections including one year with fully articulated rotor systems and reciprocating engines.

Special Requirements

Possession of a valid Airframe and Power Plant Mechanic License as issued by the Federal Aviation Administration at time of appointment.

Possession of a valid California Driver's License may be required at time of appointment.

Successful completion of an Enstrom factory maintenance training course by time of appointment is desirable.

APPROVED: _____

Director

DATE: _____